



INFORMATION DISCLOSURE CITATION IN AN APPLICATION Form PTO-1449		Docket Number	Application Number
		23453-012	09/460,708
		Applicant(s)	
		Michael ZIRNGIBL et al.	
		Filing Date	Group Art Unit
		December 14, 1999	2121 2129

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>LS</i>	1A	4,156,868	05/29/79	Levinson			
	1B	4,554,418	11/01/85	Toy			
	1C	4,757,525	07/12/88	Matthews et al.			
	1D	4,775,936	10/04/88	Jung			
	1E	4,785,408	11/15/88	Britton et al.			
	1F	4,788,643	11/29/88	Trippe et al.			
	1G	4,812,843	03/14/89	Champion, III et al.			
	1H	4,837,798	06/06/89	Cohen et al.			
	1I	4,868,866	09/19/89	Williams, Jr.			
	1J	4,941,168	07/10/90	Kelly, Jr.			
	1K	4,942,616	07/17/90	Linstroth et al.			
	1L	4,953,085	08/28/90	Atkins			DEC 05 2003
	1M	4,972,504	11/20/90	Daniel, Jr. et al.			
	1N	4,989,141	01/29/91	Lyons et al.			
	1O	5,021,953	06/04/91	Webber et al.			
	1P	5,101,352	03/31/92	Rembert			
	1Q	5,128,861	07/07/92	Kagami et al.			
	1R	5,131,020	07/14/92	Liebesny et al.			
	1S	5,168,445	12/01/92	Kawashima et al.			
	1T	5,187,735	02/16/93	Herrero Garcia et al.			
	1U	5,189,608	02/23/93	Lyons et al.			
	1V	5,204,821	04/20/93	Inui et al.			
	1W	5,214,689	05/25/93	O'Sullivan			

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FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translations	
							YES	NO
<i>LS</i>	1X	0878948	11/18/98	Europe				
<i>✓</i>	1Y	0889627	01/07/99	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>LS</i>	1Z	MSTR001 - Advertisement for Progressive Telecommunications Corporation's OPUS (date unknown).
	1AA	MSTR002 - KnowledgeX Workgroup Edition Publication (date unknown).
	1BB	MSTR003 - Relational OLAP Server, MicroStrategy; DSS Server Brochure, 1996.
	1CC	MSTR004 - Relational OLAP Interface for the Web, 1996.
<i>✓</i>	1DD	MSTR005 - "Andyne Introduces Greater Flexibility for Database Queries; New Query Management Option Provides Enhanced Management for Enterprise-Wide Queries," Business Wire, January 3, 1996. Available from the Dow Jones Interactive Web Site http://Ptg.djnr.com .

EXAMINER	DATE CONSIDERED
 <i>LS</i> DEC 05 2003	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	


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December 14, 1999	2424 2129

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
(w)	2A	5,235,680	08/10/93	Bijnagte			
	2B	5,237,499	08/17/93	Garback			
	2C	5,255,184	10/19/93	Hornick et al.			
	2D	5,270,922	12/14/93	Higgins			
	2E	5,323,452	06/21/94	Dickman et al.			
	2F	5,347,632	09/13/94	Filepp et al.			
	2G	5,371,787	12/06/94	Hamilton			
	2H	5,404,400	04/04/95	Hamilton			
	2I	5,406,626	04/11/95	Ryan			
	2J	5,444,768	08/22/95	Lemaire et al.			
	2K	5,452,341	09/19/95	Sattar			DEC 05 2003
	2L	5,457,904	10/17/95	Colvin			
	2M	5,479,491	12/26/95	Herrero Garcia et al.			
	2N	5,493,606	02/20/96	Osder et al.			
	2O	5,500,793	03/19/96	Deming, Jr et al.			
	2P	5,502,637	03/26/96	Beaulieu et al.			
	2Q	5,539,808	07/23/96	Inniss et al.			
	2R	5,555,403	09/10/96	Cambot et al.			
	2S	5,572,643	11/05/96	Judson			
	2T	5,572,644	11/05/96	Liaw et al.			
	2U	5,576,951	11/19/96	Lockwood			
	2V	5,577,165	11/19/96	Takebayashi et al.			
	2W	5,590,181	12/31/96	Hogan et al.			

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FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translations
							YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

(w)	2X	MSTR006 - CATALANO, Carla, "OLAP, Scheduling, Tuning for DBMSs," Computer World, April 1, 1996. Available in DOW JONES INTERACTIVE, http://www.dowjonesinteractive.com .
	2Y	MSTR007 - Andyne's Intranet Strategy Brings DSS to the Web; Company Aims to Dramatically Broaden Scope of Reporting, Online Analysis," PR Newswire, September 18, 1996. Available from the Dow Jones Interactive Web Site http://Ptg.djnr.com .
	2Z	MSTR008 - SACHS et al., "A First Step on the Path to Automated Flight Reservations," Interactive Voice Technology for Telecommunications, 1996.
	2AA	MSTR009 - BENNACEF et al., "Dialog in the RAILTEL Telephone-Based System," Spoken Language, 1996.

EXAMINER	DATE CONSIDERED	APR 10 2000
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
(WJS)	3A	5,604,528	02/18/97	Edwards et al.			
	3B	5,630,060	05/13/97	Tang et al.			
	3C	5,638,424	06/10/97	Denio et al.			
	3D	5,638,425	06/10/97	Meador, III et al.			
	3E	5,664,115	09/02/97	Fraser			
	3F	5,684,992	11/04/97	Abrams et al.			
	3G	5,689,650	11/18/97	McClelland et al.			
	3H	5,692,181	11/25/97	Anand et al.			
	3I	5,701,451	12/23/97	Rogers et al.			
	3J	5,706,442	01/06/98	Anderson et al.			
	3K	5,710,889	01/20/98	Clark et al.			
	3L	5,712,901	01/27/98	Meermans			
	3M	5,715,370	02/03/98	Luther et al.			
	3N	5,717,923	02/10/98	Dedrick			
	3O	5,724,410	03/03/98	Parvulescu et al.			
	3P	5,724,525	03/03/98	Beyers, II et al.			
	3Q	5,732,216	03/24/98	Logan et al.			
	3R	5,732,398	03/24/98	Tagawa			
	3S	5,737,393	04/07/98	Wolf			
	3T	5,740,429	04/14/98	Wang et al.			
	3U	5,740,829	04/21/98	Jacobs et al.			
	3V	5,742,775	04/21/98	King			
	3W	5,748,959	05/05/98	Reynolds			

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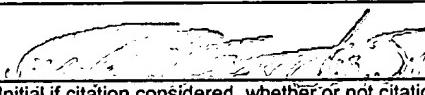
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							YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

(WJS)	3X	MSTR010 - BROOKS, Peter, "Targeting Customer," DBMS, v9, n13, December 1996, pages 54-58.
	3Y	MSTR011 - "Sterling Software Announces Alliance with Thinking Machines," Business Wire, December 16, 1996. Available from the Dow Jones Interactive Web Site http://Ptg.djnr.com .
	3Z	MSTR012 - GUPTA et al., "Index Selection for OLAP," Proceedings of the 13 th International Conference on Data Engineering, © 1997.
	3AA	MSTR013 - HO et al., "Partial-Sum Queries in OLAP Data Cubes Using Covering Codes," PODS'97 Tucson, AZ USA.

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 2003	
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		December 14, 1999	2421 2129



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
(W.E.)	4A	5,751,790	05/12/98	Makihata			
	4B	5,754,858	05/19/98	Broman et al.			
	4C	5,754,939	05/19/98	Herz et al.			
	4D	5,757,644	05/26/98	Jorgensen et al.			
	4E	5,758,088	05/26/98	Bezaire et al.			
	4F	5,758,351	05/26/98	Gibson et al.			
	4G	5,761,432	06/02/98	Bergholm et al.			
	4H	5,764,736	06/09/98	Shachar et al.			
	4I	5,765,028	06/09/98	Gladden			
	4J	5,765,143	06/09/98	Sheldon et al.			DEC 05 2003
	4K	5,771,172	06/23/98	Yamamoto et al.			
	4L	5,771,276	06/23/98	Wolf			
	4M	5,781,735	07/14/98	Southard			
	4N	5,781,886	07/14/98	Tsujiuchi			
	4O	5,787,151	07/28/98	Nakatsu et al.			
	4P	5,787,278	07/28/98	Barton et al.			
	4Q	SIR H1743	08/04/98	Graves et al.			
	4R	5,793,980	08/11/98	Glaser et al.			
	4S	5,794,246	08/11/98	Sankaran et al.			
	4T	5,797,124	08/18/98	Walsh et al.			
	4U	5,799,063	08/25/98	Krane			
	4V	5,799,156	08/25/98	Hogan et al.			
	4W	5,802,488	09/01/98	Edatsune			

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FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translations
							YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

(W.E.)	4X	MSTR014 - KILMARTIN et al., "Real Time Stock Price Distribution Utilising the GSM Short Messaging Service," 1997 IEEE International Conference on Personal Wireless, 1997, Abstract.
	4Y	MSTR015 - Data Warehousing: Data Access and Delivery, Infobase Technology Database, 1997, http://www.dbaint.com/oldinfobase/dwaccdel.html .
	4Z	MSTR016 - GARDNER, Dana Marie, "Cashing in With Data Warehouses and the Web," Data Based Advisor, v15, n2, February 1997, pages 60-63.

EXAMINER	DATE CONSIDERED	(Signature)
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
(S)	5A	5,802,526	09/01/98	Fawcett et al.			
	5B	5,806,050	09/08/98	Shinn et al.			
	5C	5,809,483	09/15/98	Broka et al.			
	5D	5,812,987	09/22/98	Luskin et al.			
	5E	5,819,220	10/06/98	Sarukkai et al.			
	5F	5,819,293	10/06/98	Comer et al.			
	5G	5,822,405	10/13/98	Astarabadi			
	5H	5,825,856	10/20/98	Porter et al.			
	5I	5,832,451	11/03/98	Flake et al.			
	5J	5,838,768	11/17/98	Sumar et al.			
	5K	5,848,397	12/08/98	Marsh et al.			
	5L	5,850,433	12/15/98	Rondeau			
	5M	5,852,811	12/22/98	Atkins			
	5N	5,852,819	12/22/98	Beller			
	5O	5,854,746	12/29/98	Yamamoto et al.			
	5P	5,857,191	01/05/99	Blackwell, Jr. et al.			
	5Q	5,864,827	01/26/99	Wilson			
	5R	5,864,828	01/26/99	Atkins			
	5S	5,867,153	02/02/99	Grandcolas et al.			
	5T	5,870,454	02/09/99	Dahlen			
	5U	5,870,724	02/09/99	Lawlor et al.			
	5V	5,870,746	02/09/99	Knutson et al.			
	5W	5,872,921	02/16/99	Zahariev et al.			

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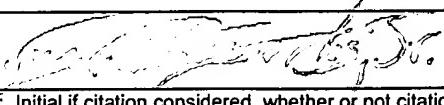
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FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translations
							YES
							NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

(W)	5X	MSTR017 - Intrepid Systems Announces General Availability of DecisionMaster 4.1; Retailing's Premier Decision Support Software Enhancements Automate Information Delivery," <u>Business Wire</u> , May 27, 1997. Available in DOW JONES INTERACTIVE, http://www.dowjonesinteractive.com .
(J)	5Y	MSTR018 - Blue Isle Software InTouch/2000 Product Overview, Blue Isle Software, Inc. (archived July 7, 1997), http://www.blueisle.com . Available in Internet Archive Waybackmachine http://www.archive.org .
(J)	5Z	MSTR019 - "Blue Isle Software Teams with Arbor Software to Deliver Automated Systems Management Capabilities for Arbor Essbase," <u>Business Wire</u> , October 29, 1997. Available in LEXIS, NEXIS Library, ALLNWS file.

EXAMINER	DATE CONSIDERED
 DEC 19 2003	
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U.S. PATENT DOCUMENTS

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(WZ)	6A	5,872,926	02/16/99	Levac et al.			
	6B	5,878,403	03/02/99	DeFrancesco et al.			
	6C	5,880,726	03/09/99	Takiguchi et al.			
	6D	5,884,262	03/16/99	Wise et al.			
	6E	5,884,266	03/16/99	Dvorak			
	6F	5,884,285	03/16/99	Atkins			
	6G	5,884,312	03/16/99	Dustan et al.			
	6H	5,890,140	03/30/99	Clark et al.			
	6I	5,893,079	04/06/99	Cwenar			
	6J	5,893,905	04/13/99	Main et al.			
	6K	5,907,598	05/25/99	Mandalia et al.			
	6L	5,907,837	05/25/99	Ferrel et al.			
	6M	5,911,135	06/08/99	Atkins			
	6N	5,911,136	06/08/99	Atkins			
	6O	5,913,195	06/15/99	Weeren et al.			
	6P	5,913,202	06/15/99	Motoyama			
	6Q	5,914,878	06/22/99	Yamamoto et al.			
	6R	5,915,238	06/22/99	Tjaden			
	6S	5,918,213	06/29/99	Bernard et al.			
	6T	5,918,217	06/29/99	Maggioncalda et al.			
	6U	5,918,225	06/29/99	White et al.			
	6V	5,918,232	06/29/99	Pouschine et al.			
	6W	5,920,848	07/06/99	Schutzer et al.			

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							YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

(WZ)	6X	MSTR020 - "Early Warning: Compulogic's Dynamic Query Messenger," Software Futures, November 1, 1997. Available in LEXIS, Nexis Library, ALLNWS file.
	6Y	MSTR021 - KILMARTIN et al., "Development of an Interactive Voice Response System for a GSM SMS Based Share Price Server," DSP '97 Conference Proceedings, December 1997, Abstract.
	6Z	MSTR022 - AVNUR et al., "CONTROL: Continuous Output and Navigation Technology with Refinement On-Line," © 1998.
	6AA	MSTR023 - LIANG et al., "Computing Multidimensional Aggregates in Parallel," 1998 International Conference on Parallel and Distributed Systems, IEEE.

EXAMINER	DATE CONSIDERED
APR 19 2005	

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U.S. PATENT DOCUMENTS

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(WY)	7A	5,923,736	07/13/99	Shachar			
	7B	5,924,068	07/13/99	Richard et al.			
	7C	5,926,789	07/20/99	Barbara et al.			
	7D	5,931,900	08/03/99	Notani et al.			
	7E	5,933,816	08/03/99	Zeanah et al.			
	7F	5,940,818	08/17/99	Malloy et al.			
	7G	5,943,395	08/24/99	Hansen			DEC 05 2003
	7H	5,943,399	08/24/99	Bannister et al.			
	7I	5,943,410	08/24/99	Shaffer et al.			Technology Center 2100
	7J	5,943,677	08/24/99	Hicks			
	7K	5,945,989	08/31/99	Freishtat et al.			
	7L	5,946,485	08/31/99	Weeren et al.			
	7M	5,946,666	08/31/99	Nevo et al.			
	7N	5,946,711	08/31/99	Donnelly			
	7O	5,948,040	09/07/99	DeLorme et al.			
	7P	5,950,165	09/07/99	Shaffer et al.			
	7Q	5,953,392	09/14/99	Rhie et al.			
	7R	5,953,406	09/14/99	LaRue et al.			
	7S	5,956,693	09/21/99	Geerlings			
	7T	5,960,437	09/28/99	Krawchuk et al.			
	7U	5,963,641	10/05/99	Crandall et al.			
	7V	5,970,124	10/19/99	Csaszar et al.			
	7W	5,974,398	10/26/99	Hanson et al.			

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							YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

(WY)	7X	MSTR024 - FRIEL et al., "An Automated Stock Price Delivery System Based on the GSM Short Message Service, ICC'98 1998 IEEE International Conference on Communications, 1998, Abstract.
	7Y	MSTR025 - Microstrategy Products and Services, 1998.
	7Z	MSTR026 - Personalized Information Broadcast Server, 1998.
	7AA	MSTR027 - "Information Advantage Wins Product of the Year Award for Knowledge Management," Business Wire, March 4, 1998. Available in LEXIS, Nexis Library, ALLNWS file.

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<i>[Signature]</i>	DEC 05 2003

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Form PTO-1449

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(J)	8A	5,974,406	10/26/99	Bisdikian et al.			
	8B	5,974,441	10/26/99	Rogers et al.			
	8C	5,978,766	11/02/99	Luciw			
	8D	5,978,796	11/02/99	Malloy et al.			
	8E	5,983,184	11/09/99	Noguchi			
	8F	5,987,586	11/16/99	Byers			
	8G	5,991,365	11/23/99	Pizano et al.			
	8H	5,995,945	11/30/99	Notani et al.			
	8I	5,996,006	11/30/99	Speicher			
	8J	5,999,526	12/07/99	Garland et al.			
	8K	6,003,009	12/14/99	Nishimura			
	8L	6,006,225	12/21/99	Bowman et al.			
	8M	6,011,579	01/04/00	Newlin			
	8N	6,012,066	01/04/00	Discount et al.			
	8O	6,012,083	01/04/00	Savitzky et al.			
	8P	6,014,427	01/11/00	Hanson et al.			
	8Q	6,014,428	01/11/00	Wolf			
	8R	6,016,335	01/18/00	Lacy et al.			
	8S	6,016,336	01/18/00	Hanson			
	8T	6,016,478	01/18/00	Zhang et al.			
	8U	6,018,710	01/25/00	Wynblatt et al.			
	8V	6,018,715	01/25/00	Lynch et al.			
	8W	6,021,181	02/01/00	Miner et al.			

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							YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION				Docket Number 23453-012	Application Number 09/460,708		
				Applicant(s) Michael ZIRNGIBL et al.			
				Filing Date December 14, 1999	Group Art Unit 2121-2129		
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	9B	6,023,714	02/08/00	Hill et al.			
	9C	6,026,087	02/15/00	Mirashrafi et al.			
	9D	6,029,195	02/22/00	Herz			
	9E	6,031,836	02/29/00	Haserodt			
	9F	6,038,561	03/14/00	Snyder et al.			
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	9H	6,047,327	04/04/00	Tso et al.			
	9I	6,055,513	04/25/00	Katz et al.			
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	9K	6,058,166	05/02/00	Osder et al.			
	9L	6,064,980	05/16/00	Jacobi et al.			
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	9N	6,067,535	05/23/00	Hobson et al.			
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9W	6,108,686	08/22/00	Williams, Jr.				
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION Form PTO-1449		Docket Number	Application Number
		23453-012	09/460,708
		Applicant(s)	
		Michael ZIRNGIBL et al.	
		Filing Date	Group Art Unit
		December 14, 1999	2121 - 2129

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	10G	6,134,563	10/17/00	Clancey et al.			
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	10L	6,163,774	12/19/00	Lore et al.			
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Form PTO-1449

Docket Number	Application Number
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Applicant(s)	
Michael ZIRNGIBL et al.	
Filing Date	Group Art Unit
December 14, 1999	2121 2129

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IN AN APPLICATION**

Form PTO-1449

Docket Number	Application Number
23453-012	09/460,708
Applicant(s)	
Michael ZIRNGIBL et al.	
Filing Date	Group Art Unit
December 14, 1999	2124-2129

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		23453-012	09/460,708
		Applicant(s)	
		Michael ZIRNGIBL et al.	
		Filing Date	Group Art Unit
		December 14, 1999	2124 2129

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**INFORMATION DISCLOSURE CITATION
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Form PTO-1449

Docket Number	Application Number
23453-012	09/460,708
Applicant(s)	
Michael ZIRNGIBL et al.	
Filing Date	Group Art Unit
December 14, 1999	2421 2424 DEC 05 2003

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*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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		23453-012	09/460,708
		Applicant(s)	
		Michael ZIRNGIBL et al.	
		Filing Date	Group Art Unit
		December 14, 1999	2121 2129

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*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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APR 19 2005	
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		23453-012	09/460,708
		Applicant(s)	
		Michael ZIRNGIBL et al.	
		Filing Date	Group A 001
		December 14, 1999	2421- 2129

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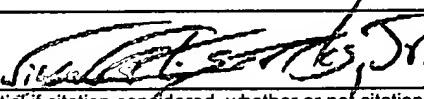
*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Docket Number	Application Number
		23453-012	09/460,708
		Applicant(s)	
		Michael ZIRNGIBL et al.	
		Filing Date	Group Art Unit
		December 14, 1999	2121 2129
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		Form PTO-1449	

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*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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<i>John C. Scott, Jr.</i>	<i>Aug 11, 2003</i>
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION Form PTO-1449		Docket Number	Application Number
		23453-012	09/460,708
		Applicant(s)	
		Michael ZIRNGIBL et al.	
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		December 14, 1999	2121- 7129

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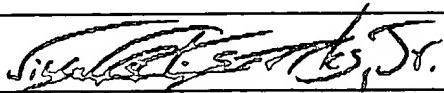
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**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

Form PTO-1449

Docket Number	Application Number
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Applicant(s)	
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<i>William J. Starks, Jr.</i>	APR 16 2000
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